ATN 1-001 **APRIL 16, 2001**

ALLSTAR TECHNICAL NOTE

Product: **Allstar 6000, 6500 and PDQ**

Subject: **Intermittent Reversing and Work Lamp Problems**

Under some combination of field conditions and normal component tolerance variations, the operator stops and reverses or just stops in mid travel and sometimes the work lamp will turn off before the 4-1/2 minute delay. Only a very small number of operators exhibit these symptoms and typically they show-up during installation.

Testing indicated that an unusually high level of electrical noise could affect the timing of the control logic. In most installations, this problem was resolved by removing C9 from the motor control board (see diagram below). The removal of C9 was implemented as a running change to the motor control in January 2001.

Additional field reports and subsequent testing indicated additional improvement was required and a minor component change was implemented to improve the timing logic. The value of resistor R28 was changed from 6.8K to 22K. As of February 19th, 2001 any motor controls in-house (used for production or replacement or repair) were reworked with this change.

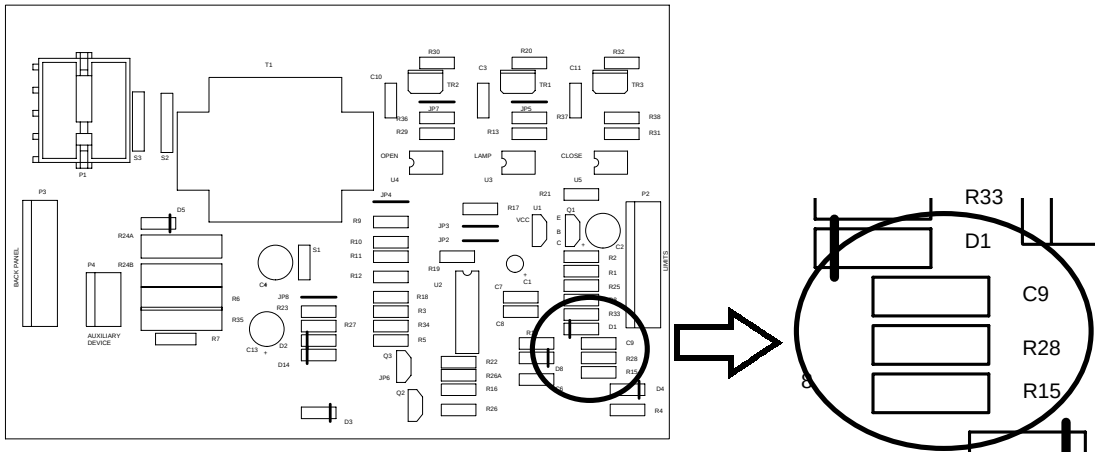
To identify a control with the latest changes look for the following (see diagram below):

A 22K resistor (red, red, orange, gold) is inserted into the C9 position and R28 is cut off the board.

OR

C9 is cut off the board and a 22K (red, red, orange, gold) resistor is inserted into the R28 position.

If a "mustard yellow" capacitor is in the C9 position and/or R28 is 6.8K (blue, gray, red, gold) the control board has not been upgraded. Contact customer service if a replacement is required.



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